

AUTOMATION OF THE EDUCATION PORTAL

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ABSTRACT

In the past, students had to search manually for previous question papers, textbooks, and any other material related to their curriculum, either by collecting information from the library or from their seniors. This was time-consuming for both students and instructors. Through this paper, a new method of search innovation tools has been developed and implemented, which allows students to find the relevant academic material in the shortest amount of time possible. This paper describes the tools that were used, including HTML, CSS, JS, PHP-MySQL, which results in a quick search and the discovery of elaborative materials. The outcome provides more information in a shorter amount of time than expected.

KEYWORDS: Academic Portal, Web Portal, Materials, PQP, HTML, CSS, JS & PHP-MySQL

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1. INTRODUCTION

This paper is intended primarily for students. It provides an online portal for students and faculty to communicate with each other. It is made up of two logins: one for faculty and another for students. This cutting-edge system enables college faculty to log into the system using their login IDs and passwords and to share academic data with students through the system. Students can easily find the necessary content by choosing or clicking on the semester and subject, as well as view or download the Materials, Question Papers, and Pdf's uploaded by the faculty. In case the students have any questions or doubts, or if they would like any advice or suggestions from the faculty on a particular subject, they can send them a message or submit an inquiry to the faculty member in question. The faculty member who is in charge of responding will do so as soon as possible through this portal. Every student and every member of the faculty must have a login id. When students first arrive at the course structure, they must select a related group, a course, a syllabus, the concerned text book and refer to it, as well as any teaching materials provided by the consent faculty members. As a result, each student's content knowledge grows subject by subject. A large number of websites are currently available that serve the same purpose of providing learners with educational/learning materials. They provide a plethora of features to interact with the users. The most significant limitation of these websites is that users must pay to become members of these websites, and if they want to find different study-related materials, they must visit several different websites, and the material is not fully provided, and they may not even find related materials. Another significant disadvantage of this system is that the content they provide is universal, which means that not everyone is comfortable with the content they provide. This system makes it possible to provide materials to students with great ease. The materials that the college students will need

to study for the examination will be provided to them in hard copy format. It is possible that faculty members will be unable to deliver the hard copy of the materials on time. This will make it difficult for the students to prepare for their exams. This portal will be extremely beneficial in such situations. Messages or Query requests can be sent to the faculty if students have any questions or concerns

2. GENERAL STUDIES

Once these things have been met, then following steps will be taken to decide which system and language to build the tool may be utilized. Once the programmers begin to develop the tool, the programmers need much external help. This assistance may be accessed from senior programmers, books or internet. The aforementioned consideration is taken into account for the development of the suggested system before the construction of the system. A web portal may be described as a web site for a certain topic that includes a range of information and services, including search engines, directories, news, e-mails and chat rooms. This article examines the elements that should be taken into account during the creation and design of an academic portal. The purpose of personal interviews was to determine the contents, functions, look and value of the academic site. The Info portal has been created as a functioning academic portal to assist the work of academics[1]. This research will evaluate the creation, implementation and content analysis of the engineering web portal information. This research addresses the performance from the user's point of view of engineering online portal service. The scope of development, execution and content analysis requirements of prototype web portal data has to be assessed. In addition, there is no Union catalogue for any other location tools that identify serial holdings of information on engineering important to scientists, faculty members, scientists and students. Since no research in this area has been carried out, a study on the topic web site was chosen to share the Meta data within one domain for a specific sector, profession or industry[2]. A gateway is a website which serves as a point of departure for numerous other sites. Excite, Lycos, Yahoo, Netscape and MSN are some of the biggest. But many smaller portals are characterized as "special niche portals." All information is provided on the websites under one gateway. It gives individuals the opportunity to connect and work together with others, to browse, to interact with the web. The portal development of information for management studies is part of a portal where all data, such as journals, data bank, management instruments, subject export interviews, and open discussions, job information, and so on are designed[10]. The digital library software of Greenstone is an open source system for building and displaying information collections. It constructs collections that are beautiful and simple to use with excellent full text search and metadata based browsing capabilities. Furthermore, they are simply maintained and completely automatically enlarged and reconstructed. The system may be extended: plug-ins can handle various kinds of document and information. Greenstone has an interface that allows users to easily build their own library collections. Collections may be created and delivered locally from the user's own web server or via a shared digital library host on distant locations (with proper permissions). End users may simply create new collections, designed according to current collections, using materials on the web or from their local file(s) and update collections and bring new collections on line at any time[20].

3. PROPOSED SYSTEM

This System help in providing materials to the students with great ease. The college students will be given a hard copy of the materials that they need to study for the examination. Sometimes the faculty will not be able to give the hard copy of the materials on time. This will cause problems for the students to study for examinations. In such situations, this portal will be of great help. If the students have any queries or doubts or if they want any suggestion from the faculty about a particular topic, the students can ask them through a message or they can send a Query. Then the concerned faculty will

answer them whenever possible through this portal.

- This project has a login page which allows only the registered user to login and thereby preventing unauthorized access.
- This system can be used to view all the syllabus, updates details.
- The android mobile user will be able to make quick downloads from anywhere using the internet.
- Usage of this system will greatly reduce time in engineering document sharing



Figure 1: System Architecture.

4. METHODOLOGY

The admin module was designed to allow users to log into the system and add subjects, students, and faculty, as well as generate logins for students and faculty. It also allows users to view subjects, faculty, and student details by branch. Administrators will assign faculty to subjects through this application, and faculty members will be able to upload subject-specific materials and ppq through this application. Administrators who wish to change their login password can do so through the change password tab.

The faculty module was designed for faculty to log in with the id and password that was generated by the administration and also edit their profiles. Faculty can upload materials and PQP for their subjects, which students can access through this site. Faculty members who wish to change their login password can do so through the change password tab. Students who have uploaded questions to the site can also view those questions and provide answers.

The student module was designed to allow students to access this module by logging in with the id and password that was generated by the administration and also by editing their personal profiles. Students can use this to view and download PQP materials organized by subject, as well as upload questions to be answered by subject-specific faculty and view responses from faculty. Students who wish to change their login password can do so by clicking on the change password tab.

5. RESULTS

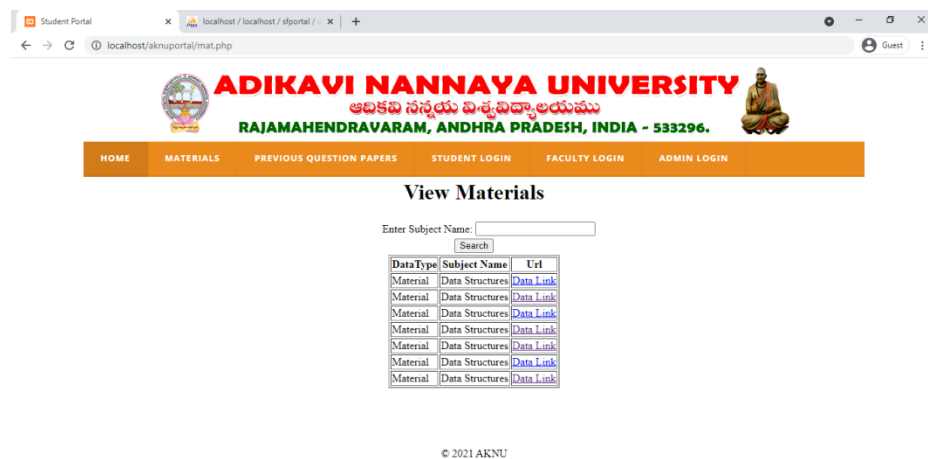


Figure 5.1: View Materials.

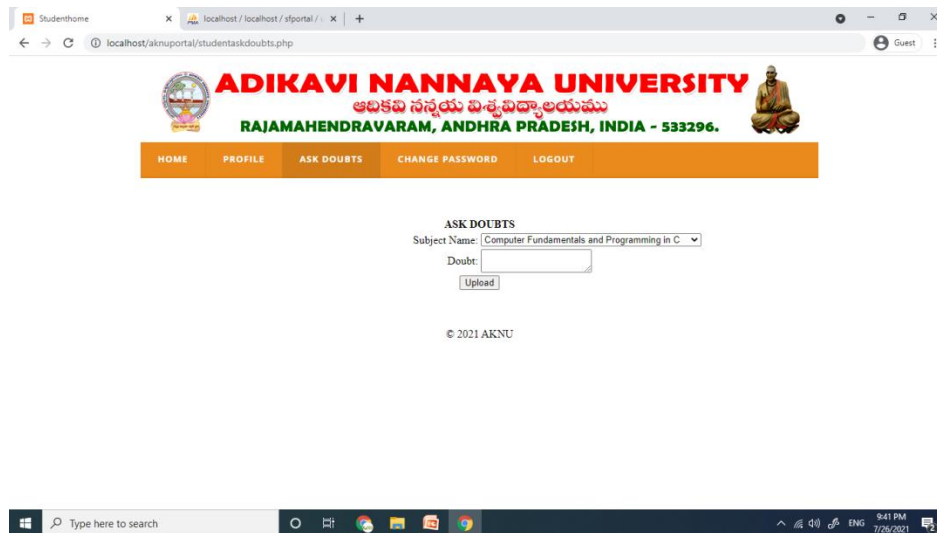


Figure 5.2: Student Ask Doubts.

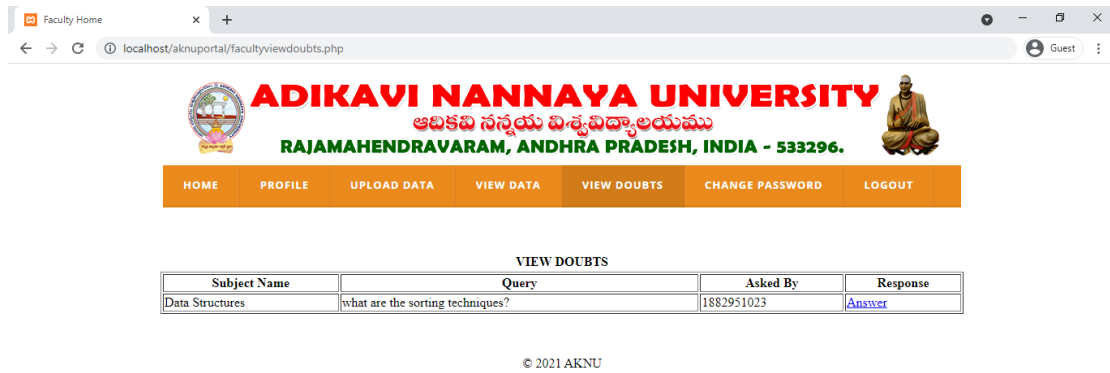


Figure 5.3: Faculty View Doubts.

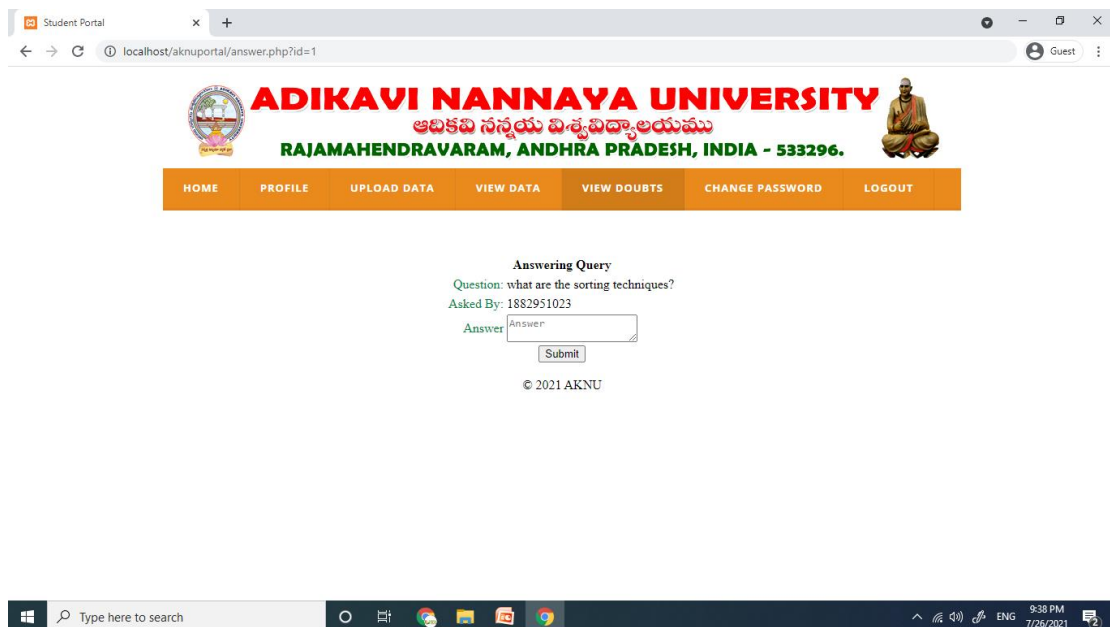


Figure 5.4: Faculty Answer Student Doubts.

6. CONCLUSIONS

Similarly, the web application is intended to serve as an Academic Portal for the University College of Engineering at AKNU. This system is designed to automate the current manual system to address the issues that have arisen in accessing Materials, PQP, and other areas. When compared to the manual system, this system provides a high level of security. Faculty members who intend to use this web application should first login for authentication purposes, after which they can upload their subject-specific materials, PQP, and finally answer the questions posed by students by using the web application itself. At the moment, we have designed this application to be extremely user-friendly. A number of features have been added to the current system. The majority of the time is saved as a result of this. There are numerous ways in

which the system's features can be improved even further.

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